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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : John A. Salon, et al.  
U.S. Serial No.: Not Yet Known  
Filed : Herewith  
For : DNA ENCODING A HUMAN MELANIN CONCENTRATING  
HORMONE RECEPTOR (MCH1) AND USES THEREOF

1185 Avenue of the Americas  
New York, New York 10036  
April 14, 2004

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Information Disclosure Statement

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants would like to direct the Examiner's attention to the following references which are listed on the attached Form PTO-1449 (**Exhibit C**) and copies of which is attached hereto as **Exhibits 1-7**:

1. U.S. Serial No. 09/885,478, filed June 20, 2001, Salon, et al. (**Exhibit 1**);
2. U.S. Patent No. 6,362,326, issued March 26, 2002, Sathe, et al. (**Exhibit 2**);
3. PCT International Application No. WO 02/02744, published January 10, 2002 (**Exhibit 3**);
4. PCT International Application No. WO 02/03070, published January 10, 2002 (**Exhibit 4**);

5. PCT International Application No. WO 01/43759, published June 21, 2001 (**Exhibit 5**);
6. PCT International Application No. WO 01/57070, published August 9, 2001 (**Exhibit 6**); and
7. PCT International Application No. WO 01/68706, published September 20, 2001 (**Exhibit 7**).

Copies of these applications are enclosed as **Exhibits 1-7**. Applicants request that these applications be considered and made of record.

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants would like to direct the Examiner's attention to the following references which are listed on the attached Form PTO-1449 (**Exhibit C**) and which were previously submitted or cited in connection with the prosecution of U.S. Serial No. 09/885,478 from which the subject application claims priority under 35 U.S.C. §120. According to 37 C.F.R. § 1.98(d), copies of patents or publications that were previously cited by, or submitted to, the Patent Office in connection with such prior applications need not accompany the Information Disclosure Statement. Accordingly, copies of the following references are not attached to this Information Disclosure Statement.

1. U.S. Serial No. 09/899,732, filed July 5, 2001;
2. U.S. Serial No. 10/029,314, filed December 20, 2001;
3. U.S. Serial No. 10/341,751, filed July 14, 2003;
4. U.S. Patent No. 6,291,195, issued September 18, 2001;
5. U.S. Patent No. 6,221,616, issued April 24, 2001;

6. U.S. Patent No. 6,221,613, issued April 24, 2001;
7. U.S. Patent No. 6,033,872, issued March 7, 2000;
8. U.S. Patent No. 6,008,012, issued December 28, 1999;
9. PCT International Application No. WO 01/43759,  
published June 21, 2001;
10. PCT International Application No. WO 01/57070,  
published September 9, 2001;
11. PCT International Application No. WO 01/68706,  
published September 20, 2001;
12. PCT International Application No. WO 01/05947,  
published January 25, 2001;
13. PCT International Application No. WO 99/28492,  
published June 10, 1999;
14. PCT International Application No. WO 98/15570,  
published April 16, 1998;
15. PCT International Application No. WO 96/18651,  
published June 20, 1996;
16. PCT International Application No. WO 96/39162,  
published December 12, 1996;
17. European Patent Application No. 848060, published June  
17, 1998;
18. Expressed Sequence Tags Database Accession No. F 07228  
(Published February 15, 1995), Auffray, C., et al.;

19. Expressed Sequence Tags Database Accession No. HSU 71092 (Published December 21, 1996), Kolakowski, L.F. Jr., et al.;
20. Expressed Sequence Tags Database Accession No. AF 008650 (Published October 1, 1997), Lakaye, B., et al.;
21. GenEmbl Accession No. Q99705, Kolakowski, L.F. Jr., et al., published November 1, 1997;
22. GenEmbl Accession No. P97639, Lakaye, B., et al., published November 1, 1997;
23. Expressed Sequence Tags Database Accession No. Z 86090 (Published February 22, 1997), Lloyd, D.;
24. Expressed Sequence Tags Database Accession No. T 30384 (Published September 13, 1996), Bergsma, DJ., et al.;
25. Expressed Sequence Tags Database Accession No. V 28115 (Published September 25, 1998), Bergsma, DJ., et al.;
26. Auffray, C., et al. IMAGE: intégration au niveau moléculaire de l'analyse du génome humain et de son expression. *C.R. Acad. Sci.Paris, Sci. Vie* (1995) 318: 263-272;
27. Burgaud, J., et al., "Melanin-concentrating hormone binding sites in human SVK14 keratinocytes," (1997) 241(3): 622-629;
28. Borowsky, B., et al. "Antidepressant, anxiolytic and anorectic effects of a melanin-concentrating hormone-1 receptor antagonist" *Nature Medicine* (2002) 8(8): 825-830;

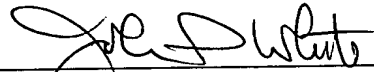
29. Chambers, C., et al., Melanin-concentrating hormone is the cognate ligand for the orphan G-pro coupled receptor SLC-1 *Nature* (July 15, 1999) 400: 261-265;
30. Kolakowski, L.F., et al. Characterization of a human gene related to genes encoding somatostatin receptors. *FEBS Letters* (1996) 398: 253-258;
31. Lakaye, B., et al. Cloning of the rat brain cDNA encoding for the SLC-1 G protein-coupled receptor reveals the presence of an intron in the gene. *Biochimica et Biophysica Acta* (February 4, 1998) 1401(2): 216-220;
32. Rudiger, et al., "Single-Molecule Detection Technologies in Miniaturized High Throughput Screening: Binding Assays for G-Protein-Coupled Receptors Using Fluorescence Intensity Distribution Analysis and Fluorescence Anisotropy," *Journ of Biomol Screening* (2001) 6(1): 29-37;
33. Saito, Y., et al. Molecular characterization of the melanin-concentrating-hormone receptor. *Nature* (July 15, 1999) 400: 265-268; and
34. Shimada, M., et al. Mice lacking melanin-concentrating hormone receptor are hypophagic and lean. *Nature* (December 17, 1998) 396: 670-674.

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.

John A. Salon, et al.  
Application No: Not Yet Known  
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Page 6

No fee, other than the enclosed fee of \$770.00 for filing the subject application, is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any additional fee be found necessary, authorization is hereby given to charge such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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John P. White  
Registration No. 28,678  
Attorney for Applicants  
Cooper & Dunham LLP  
1185 Avenue of the Americas  
New York, New York 10036  
(212) 278-0400

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 1795/57453-AA-PCT- US/JPW/MJW		Serial No. Not Yet Known							
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants John Salon, et al.									
				Filing Date Herewith		Group Art Unit							
<b>U.S. PATENT DOCUMENTS</b>													
Examiner Initial		Document Number			Date	Name	Class	Subclass	Filing Date if Appropriate				
	US	6	2	9	1	1	9	5	09/18/01	Salon, et al.			
	US	6	2	2	1	6	1	6	04/24/01	Salon, et al.			
	US	6	2	2	1	6	1	3	04/24/01	Salon, et al.			
<b>FOREIGN PATENT DOCUMENTS</b>													
		Document Number			Date	Country	Class	Subclass	Translation				
									Yes	No			
		0	2	0	2	7	4	4	01/10/02	PCT (Exhibit 3)			
		0	2	0	3	0	7	0	01/10/02	PCT (Exhibit 4)			
		0	1	4	3	7	5	9	06/21/01	PCT (Exhibit 5)			
		0	1	5	7	0	7	0	08/09/01	PCT (Exhibit 6)			
		0	1	6	8	7	0	6	08/09/01	PCT (Exhibit 7)			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>													
		U.S. Serial No. 09/885,478, filed June 20, 2001 (Exhibit 1)											
		Borowsky, Beth, et al., DNA Encoding A Human Melanin Concentrating Hormone Receptor (MCH1) And Uses Thereof. United States Application Serial No. 09/899,732, filed July 5, 2001											
		Forray, Carlos, et al., DNA Encoding A Human Melanin Concentrating Hormone Receptor (MCH1) And Uses Thereof. United States Application Serial No. 10/029,314, filed December 20, 2001											
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		Expressed Sequence Tags Database Accession No. V 28115 (Published September 25, 1998), Bergsma, DJ., et al.											
<b>EXAMINER</b>					<b>DATE CONSIDERED</b>								
<b>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</b>													

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 Title: DNA Encoding A Human Melanin  
 Concentrating Hormone Receptor (MCH1) Ar  
 Uses Thereof                      Exhibit C



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<b>U.S. PATENT DOCUMENTS</b>													
Examiner Initial		Document Number				Date	Name	Class	Subclass	Filing Date if Appropriate			
	US	6	3	6	2	3	2	6	03/26/02	Sathe, et al. (Exhibit 2)			
	US	6	0	3	3	8	7	2	03/07/00	Bergsma, et al.			
	US	6	0	0	8	0	1	2	12/28/99	Bergsma, et al.			
<b>FOREIGN PATENT DOCUMENTS</b>													
		Document Number				Date	Country	Class	Subclass	Translation			
										Yes	No		
	WO	0	1	0	5	9	4	7	01/25/01	PCT			
	WO	9	9	2	8	4	9	2	06/10/99	PCT			
	WO	9	8	1	5	5	7	0	04/16/98	PCT			
	WO	9	6	1	8	6	5	1	06/20/96	PCT			
	WO	9	6	3	9	1	6	2	12/12/96	PCT			
	EP			8	4	8	0	6	06/17/98	EPO			
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		Auffray, C., et al. IMAGE: intégration au niveau moléculaire de l'analyse du génome humain et de son expression. <i>C.R. Acad. Sci. Paris, Sci. Vie</i> (1995) <u>318</u> : 263-272											
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		Chambers, C., et al., Melanin-concentrating hormone is the cognate ligand for the orphan G-pro coupled receptor SLC-1 <i>Nature</i> (July 15, 1999) <u>400</u> : 261-265											
		Kolakowski, L.F., et al. Characterization of a human gene related to genes encoding somatostatin receptors. <i>FEBS Letters</i> (1996) <u>398</u> : 253-258											
		Lakaye, B., et al. Cloning of the rat brain cDNA encoding for the SLC-1 G protein-coupled receptor reveals the presence of an intron in the gene. <i>Biochimica et Biophysica Acta</i> (February 4, 1998) <u>1401(2)</u> : 216-220											
		Rudiger, et al., "Single-Molecule Detection Technologies in Miniaturized High Throughput Screening: Binding Assays for G-Protein-Coupled Receptors Using Fluorescence Intensity Distribution Analysis and Fluorescence Anisotropy," <i>Journ of Biomol Screening</i> (2001) <u>6(1)</u> : 29-37											
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